

Water Data Analysis Information



Teacher Master

Water Test	Dissolved Oxygen	pH	Temperature
What It Measures	<i>Amount of oxygen in the water</i>	<i>Acid/base of the water</i>	<i>Average amount of heat in the water</i>
Precautions When Performing Tests	<i>Do not touch the tablets. When test is completed, do not pour the water into the creek.</i>	<i>Avoid unnecessary handling of the pH strips. Match colors carefully when using the pH key.</i>	<i>Handle thermometer carefully. Keep thermometer in for full length of time.</i>
Natural Reading	<i>7–14 ppm (parts per million)</i>	<i>Generally 6.5–8.5 (Bogs are naturally acidic, can be as low as 4.2)</i>	<i>Varies</i>
Danger Reading	<i>3–5 = stress 1–2 = poor 0 = anoxic</i>	<i>Below 6.5, above 8.5</i>	<i>Generally above 81 degrees Fahrenheit</i>
Possible Source	<i>Low wind Low waves Running water</i>	<i>Acid rain Industrial pollution Chemical spills</i>	<i>Waste heat Solar heat</i>
Remedies	<i>Control nutrient content Control algae growth More wind/water movement</i>	<i>Pollution controls</i>	<i>Cooling towers (decreased temperature will increase dissolved oxygen)</i>

